

ASI South Australian Architectural Steel Design Award

Each year the Australian Steel Institute joins the Royal Australian Institute of Architecture (RAIA), South Australian Chapter, in partnership to run the Architectural Steel Design Award. This event gives a wonderful opportunity for the industry to showcase its talents. The Award highlights the high standard of design and efficiency which can be realised with steel. The Awards recognise, publicise and reward the prime achievements of the South Australian steel industry.

The six projects submitted for this year's Award demonstrated the innovation and aesthetic capabilities of steel, and have shown commendable architectural design and creativity. These projects were:

- Majella Wines Canopy
- Yalumba Moppa Winery
- Mawson Centre
- Blue Lake Centre
- Randwick Stewards Tower
- Tatchilla Lutheran College

Deciding the Winner

Judges for the Award were: Ken Remphrey – GGK Engineering and Australian Steel Institute South Australian Representative and Ted Lojszczyk of BlueScope Steel. While this Award is an architectural steel design award, emphasis is placed on steel use and expression. In reaching their decision, the judges considered the following criteria:

- overall architectural merit
- aesthetics and attention to detail
- ingenuity and innovation in the use of steel materials and products
- cost effective utilisation of steel
- marrying of form and function

The judges overwhelmingly decided that the Tatchilla Lutheran College was the winner of the ASI Architectural Steel Design Award for 2005. The judges remarked that: "The results achieved by this building have combined architectural, environmental and economic solutions without compromise".

ASI wishes to thank each of the architectural firms who submitted entries for this year's

Award. Their submissions have again made the ASI South Australian Steel Design Award a great success. ASI would also like to thank the judges for this year, Mr Ken Remphrey and Mr Ted Lojszczyk and RAIA for their invaluable assistance during planning and judging. Particular thanks are extended to Mrs Melody Butcher of RAIA for her support in preparation for the Awards Presentation dinner.

ASI would like to thank the Award sponsors:

- MWS Engineering
- Smorgon Steel Metals Distribution
- OneSteel
- Korvest Galvanisers

ASI AWARD WINNER

Tatchilla Lutheran College Junior School Stage 3 McLaren Vale

An innovative and economical approach to school facilities has been developed at the new Primary Section of the Tatchilla Lutheran College in McLaren Vale, South Australia.

New classrooms, specialist teaching areas and a signature building was required to promote the establishment of the Primary Section of the College. Established infrastructure and landscaping needed to be respected and integrated. A welcoming and sheltering environment was essential and the building had to reflect sensitivity to the environment, a long-standing focus of the College.

With these requirements in mind, the College, Chapman Building Industries and Kilpatrick Architecture developed a concept for a number of steel-framed standard transportable classroom modules, divided into classroom spaces, wet areas, specialist teaching, offices and storage areas all inter-linked with operable walls.

The complex can provide four classrooms and three specialist areas or two 180 square metre spaces linked by a shared wet area and computing space of 36 square metres. The specialist spaces open onto a broad north-facing covered timber deck providing shelter for outdoor teaching and messy projects.

On the south side the classrooms open onto a roofed, terraced paved courtyard and designed for play, assemblies and outdoor teaching. The steel and multi-wall polycarbonate roof shelters the students from the strong south-westerlies.

Steel was used in innovative ways in this project. The steel framing system provided opportunities for inexpensive modifications to their standard features. Portions of the ceiling were raked to maximise the benefit of the diffuse lighting from the clerestory windows. Noise transfer and echo between the teaching spaces was overcome using the perforated corrugated steel ceiling linking and the fabric lined operable walls.

Stage 3 complex fosters a sense of community ownership with an open and inviting presence.



Tatchilla Lutheran College.

Project Team

Architect: Kilpatrick Architecture
Structural Engineers: Peter Cox – Cox Consulting

Building Contractors: Chapman Building Industries
Steel Fabricators: Chapman Building Industries and Ahrens Engineering
Steel Detailer: Chapman Building Industries and Cox Consulting Engineers
Steel Distributors: BlueScope Steel and Fielders

The outcome is a stunning facility at once functional, cost effective and generous in space utilisation and flexibility with a high degree of amenity and environment responsiveness.

The judges said of the project that: "The newer aspects of steel design and construction are combined with the traditional. We have a series of steel framed transportable elements brought together with on-site shade and shelter elements. Both internally and externally a clever use of steel products has been displayed. All of these elements have been married by the use of complimentary materials and landscaping to achieve an environmentally and aesthetically pleasing structure."

Entries



Blue Lake Welcome Centre
Architect: Graeme Hopkins Architect
 Structural Engineer: Terry Magryn & Assoc
 Building Contractor: Dycer Constructions
 Steel Distributor: OneSteel
 Steel Fabricator: Krueger Engineering & Timber Tech Engineering
 Steel Detailer: Concept Drafting
 Coatings Supplier: Galvanising Industries (Vic)
 Photographer: Spring Studio/Fifth Creek Studio



The Mawson Centre
Architect: Russell & Yelland Architects and Guida Moseley Brown Architects in association
 Structural Engineer: Kellogg Brown & Root
 Building Contractor: John Hindmarsh (SA) Pty Ltd
 Steel Distributor: OneSteel
 Steel Fabricator: Lincoln Engineering & Trimetal
 Steel Detailer: Renma
 Coatings Supplier: Vangrow
 Photographer: John Gollings

Special Commendation



RAIA Awards Urban Design Jury
 John Walter FRAIA (Chair)
 Mark Lusic AFF RAIA
 Andrew Tidswell FRAIA
 Tony Hogan (Guest)

Royal Randwick Race Course Observation Tower
 Swanbury Penglase Architects
 Steriline Racing

As an architectural element in the public domain, the judges felt the tower's elegance, ingenuity of prefabrication and design could be a repeatable model of a high order. It sits well in context and reflects some of the metaphor of the main complex.



Majella Wines Crusher Canopy
Architect: Chapman Herbert Architects
 Structural Engineer: Trevor R Jones
 Building Contractor: Dycer Constructions
 Steel Distributor: Tubemakers/OneSteel/BlueScope Steel
 Steel Fabricator: Krueger Engineerings
 Steel Detailer: R & EA Pettifer
 Coatings Supplier: Galvanising Industries (Vic)
 Photographer: Spring Studio



Yalumba Moppa Winery
Architect: JBG Architects Pty Ltd
 Structural Engineer: FMG/Koukourou
 Building Contractor: The Yalumba Wine Company
 Steel Distributor: Smorgon Steel
 Steel Detailer/Steel Fabricator: Ahrens Engineering, Barossa Engineering, A & G Engineering and Grosse Engineering
 Coatings Supplier: Korvest Galvanising
 Photographer: Peter Thornton/Eventimaging



Royal Randwick Racecourse Stewards Tower
Architect: Swanbury Penglase Architects
 Structural Engineer: David Combe & Associates
 Building Contractor: Sterline Engineering
 Steel Distributor: Sterline Engineering
 Steel Fabricator: Sterline Engineering
 Steel Detailer: Sterline Engineering
 Coatings Supplier: Wattyl
 Photographer: Courtesy Australian Jockey Club



Tatachilla Lutheran College - Primary Section - Stage 3
Architect: Kilpatrick Architecture
 Structural Engineer: Cox Consulting
 Building Contractor: Chapman Building Industries
 Steel Distributor: BlueScope Steel/Fielders Steel Roofing
 Steel Fabricator: Chapman Building Industries & Arente Engineering
 Steel Detailer: Chapman Building Industries & Cox Consulting Engineers
 Coatings Supplier: Solver Paints
 Photographer: Aaron Woods